

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P238089

Luminaire Tested: **PRS615D010-S6M12-64SNDC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P238089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1802-584-10)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PRS615D010-S6M12-64SNDC
Description: HALO COMMERCIAL 6" SQUARE, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SHALLOW TRIM SPECULAR
Light Source: ARRAYS OF HIGH LUMEN LEDS 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

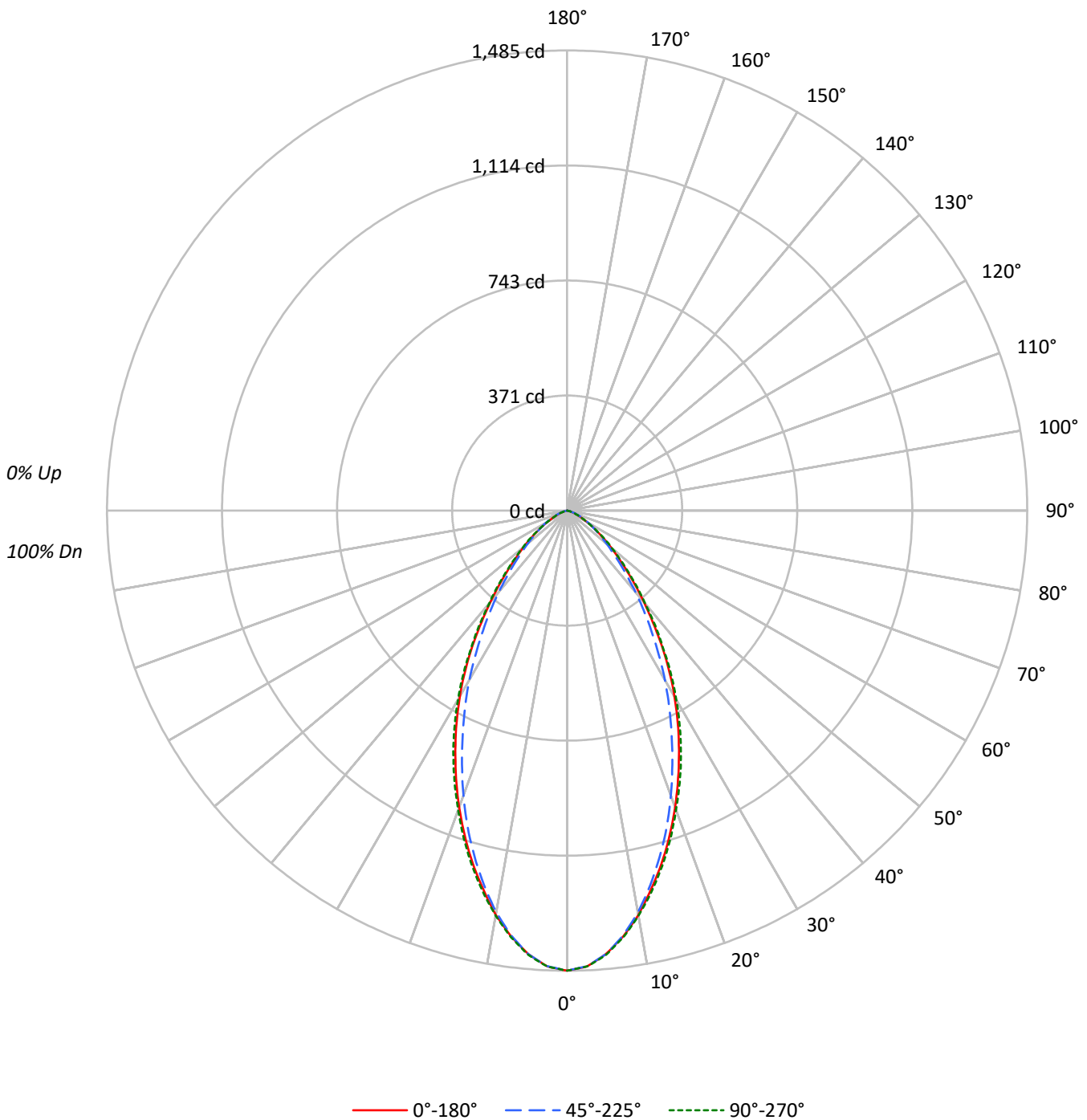
Lumens per Lamp: N/A
Luminaire Lumens: 1515.2 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.83 / 0.86
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 12.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91				91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83				83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75				75
4	93	84	78	73	91	83	77	72	81	76	72	79	74	71	77	73	70	68				68
5	88	78	71	66	86	77	70	66	75	69	65	73	68	65	72	67	64	62				62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57				57
7	78	67	60	55	76	66	60	55	65	59	55	64	59	55	63	58	54	53				53
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49				49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45				45
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42				42

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	63920	63920	63920
5°	62094	62094	62207
10°	57920	57570	58038
15°	52527	51515	52879
20°	46671	44838	47097
25°	40547	37891	41302
30°	34424	31376	35015
35°	27994	24914	28341
40°	21628	19233	22004
45°	16294	14510	16860
50°	12305	11059	12754
55°	8895	8595	9195
60°	6303	6880	6424
65°	4340	5023	4340
70°	2845	3349	2845
75°	1331	1547	1331
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.5	8.8
10°-20°	325.8	21.5
20°-30°	379.0	25.0
30°-40°	313.5	20.7
40°-50°	197.7	13.1
50°-60°	107.6	7.1
60°-70°	47.3	3.1
70°-80°	10.9	0.7
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	838.2	55.3
0°-40°	1151.7	76.0
0°-60°	1457.0	96.2
0°-90°	1515.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1515.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1485	1485	1485	1485	1485	
5°	1437	1438	1437	1438	1439	134
15°	1178	1165	1156	1172	1186	329
25°	854	820	798	831	869	391
35°	533	493	474	501	539	332
45°	268	246	238	250	277	210
55°	118	117	114	120	122	109
65°	43	47	49	47	43	44
75°	8	9	9	11	8	9
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1484.6	1484.6	1484.6	1484.6	1484.6
2.5°	1472.6	1471.3	1471.3	1472.6	1472.6
5°	1436.7	1438.0	1436.7	1438.0	1439.3
7.5°	1386.1	1384.7	1383.4	1387.4	1388.7
10°	1324.8	1320.8	1316.8	1323.5	1327.5
12.5°	1251.6	1244.9	1238.3	1248.9	1259.6
15°	1178.4	1165.0	1155.7	1171.7	1186.3
17.5°	1099.8	1082.5	1069.2	1087.8	1109.1
20°	1018.6	995.9	978.6	1001.3	1027.9
22.5°	936.0	908.1	886.8	916.1	949.3
25°	853.5	820.2	797.6	830.8	869.4
27.5°	773.6	735.0	712.3	744.3	788.2
30°	692.4	652.4	631.1	663.1	704.3
32.5°	612.5	572.5	548.6	580.5	623.1
35°	532.6	492.6	474.0	500.6	539.2
37.5°	452.7	419.4	404.8	427.4	466.0
40°	384.8	354.2	342.2	359.5	391.5
42.5°	322.2	294.3	284.9	302.2	332.9
45°	267.6	246.3	238.3	250.3	276.9
47.5°	221.0	205.0	198.4	210.4	229.0
50°	183.7	171.8	165.1	174.4	190.4
52.5°	150.5	142.5	137.1	145.1	155.8
55°	118.5	117.2	114.5	119.8	122.5
57.5°	94.5	94.5	95.9	95.9	95.9
60°	73.2	75.9	79.9	77.2	74.6
62.5°	55.9	59.9	63.9	59.9	57.3
65°	42.6	46.6	49.3	46.6	42.6
67.5°	32.0	34.6	37.3	34.6	32.0
70°	22.6	25.3	26.6	25.3	22.6
72.5°	14.6	17.3	17.3	17.3	14.6
75°	8.0	9.3	9.3	10.7	8.0
77.5°	1.3	2.7	4.0	4.0	1.3
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)