

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: P303425

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSMMS 3000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WD8FSMMS 3000Lm3000K
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2595.0 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.27
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

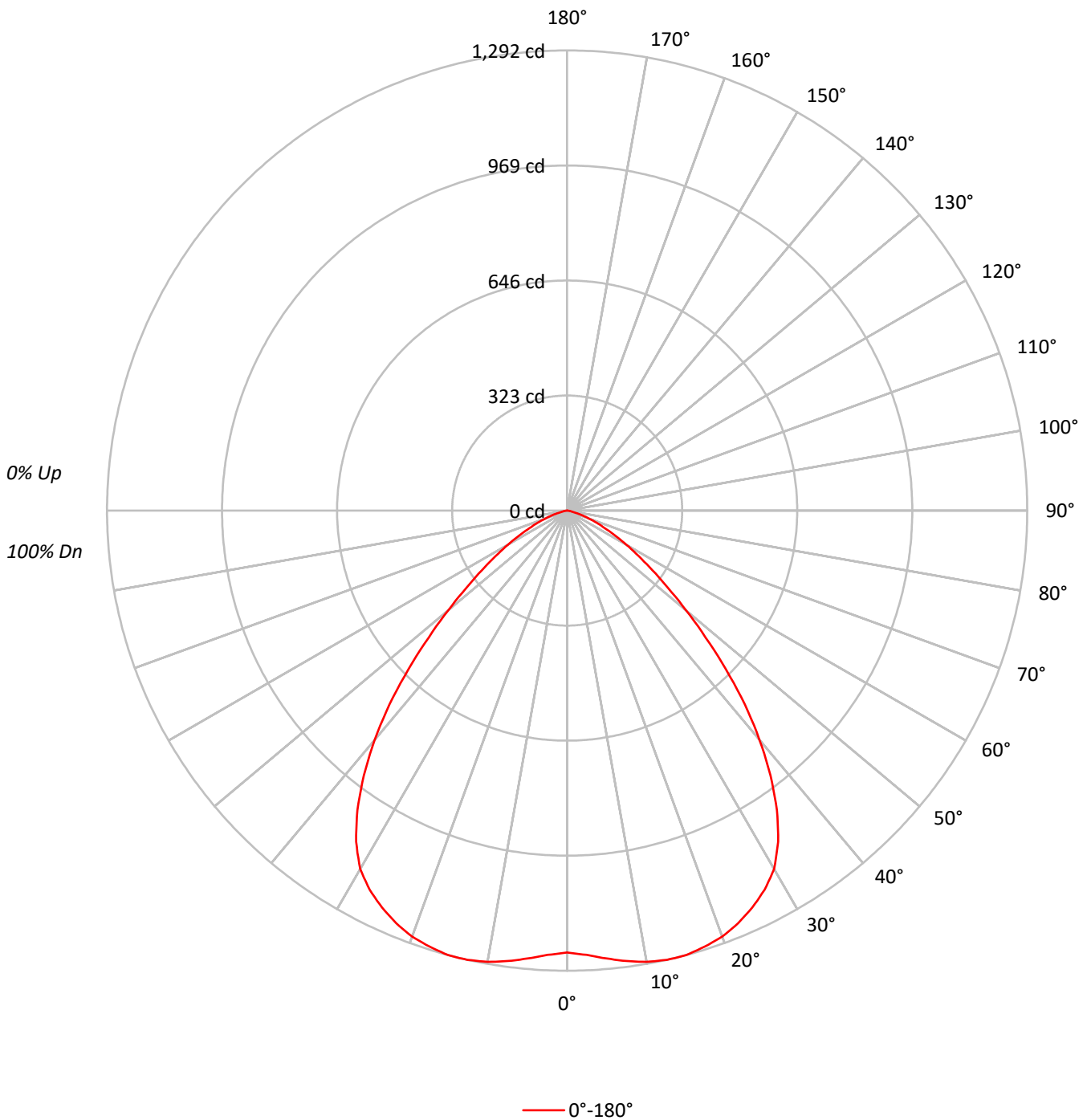
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	90
2	104	97	92	87	101	95	91	86	92	88	85		89	86	83		86	83	81	79
3	96	88	81	76	94	86	80	75	83	78	74		81	77	73		78	75	72	70
4	89	79	72	67	87	78	71	66	76	70	65		74	69	65		72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66	61	57	55
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47		57	51	47		56	50	46	45
8	68	56	48	43	66	55	48	43	54	47	43		53	47	42		51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39		49	43	39		48	42	38	37
10	60	48	40	36	58	47	40	36	46	40	36		45	40	35		45	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80944
5°	82668
10°	85233
15°	87264
20°	88388
25°	88534
30°	87560
35°	81802
40°	71590
45°	58108
50°	44171
55°	33202
60°	25039
65°	17938
70°	12380
75°	6806
80°	3043
85°	2021



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	4.7
10°-20°	364.6	14.0
20°-30°	565.7	21.8
30°-40°	635.1	24.5
40°-50°	486.0	18.7
50°-60°	267.1	10.3
60°-70°	119.6	4.6
70°-80°	32.3	1.2
80°-90°	3.3	0.1
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°	1051.6	40.5
0°-40°	1686.7	65.0
0°-60°	2439.8	94.0
0°-90°	2595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2595.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1241	
5°	1262	121
15°	1292	365
25°	1230	566
35°	1027	635
45°	630	486
55°	292	267
65°	116	120
75°	27	32
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1240.7
2.5°	1248.8
5°	1262.3
7.5°	1275.8
10°	1286.6
12.5°	1292.0
15°	1292.0
17.5°	1283.9
20°	1273.1
22.5°	1254.2
25°	1229.9
27.5°	1200.1
30°	1162.3
32.5°	1102.8
35°	1027.1
37.5°	937.9
40°	840.6
42.5°	737.9
45°	629.8
47.5°	527.1
50°	435.2
52.5°	356.8
55°	291.9
57.5°	237.9
60°	191.9
62.5°	151.4
65°	116.2
67.5°	89.2
70°	64.9
72.5°	43.2
75°	27.0
77.5°	16.2
80°	8.1
82.5°	5.4
85°	2.7
87.5°	0.0
90°	0.0

(END OF REPORT)