

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: P303427

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSMMS 3000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303427
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 3000Lm4000K
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3053.5 lumens
Efficiency: N/A
Efficacy: 107.1 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

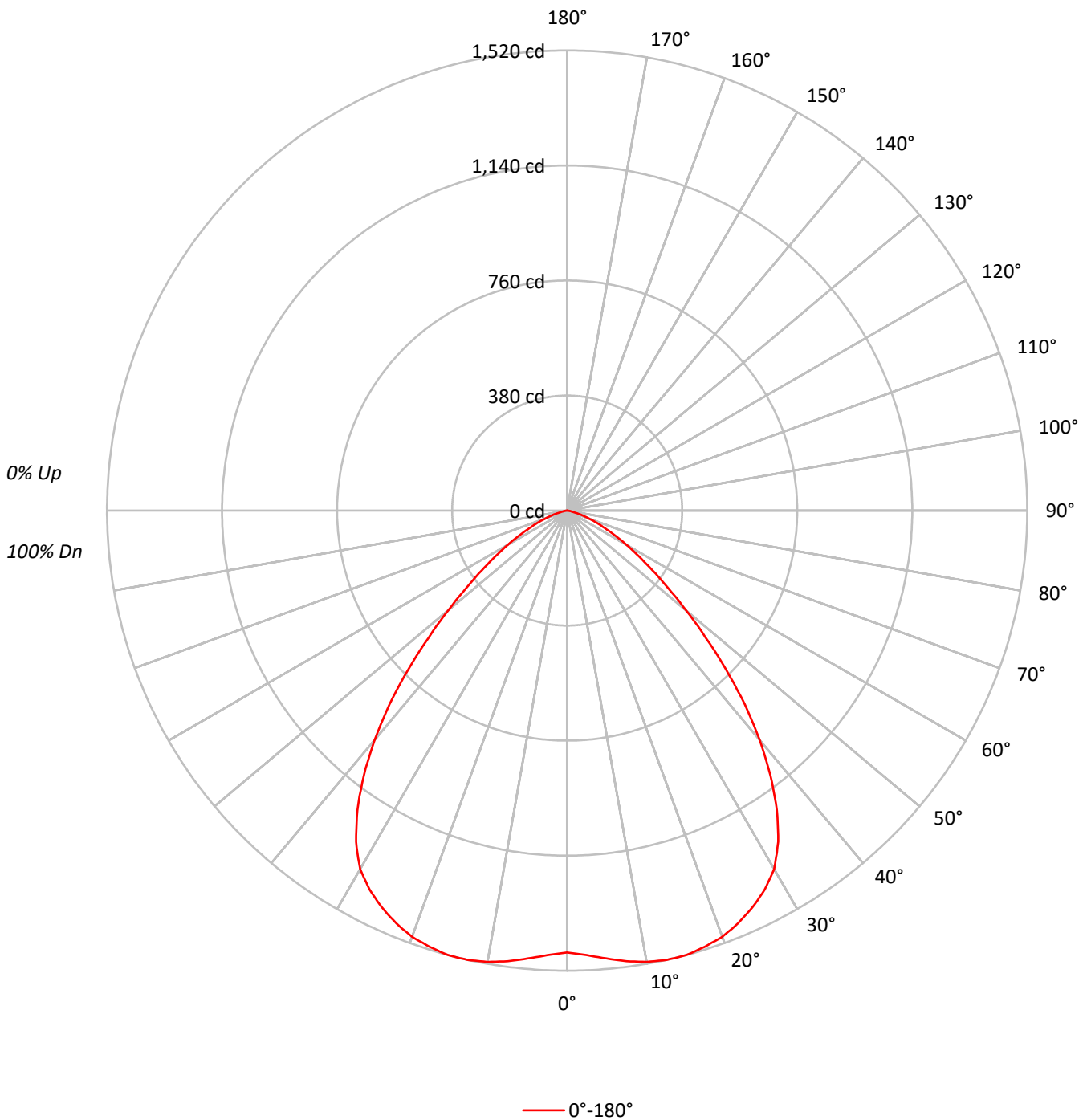
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	95238
5°	97272
10°	100291
15°	102677
20°	104003
25°	104170
30°	103026
35°	96258
40°	84237
45°	68368
50°	51976
55°	39071
60°	29463
65°	21118
70°	14554
75°	8016
80°	3569
85°	2395



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.7	4.7
10°-20°	429.0	14.0
20°-30°	665.7	21.8
30°-40°	747.3	24.5
40°-50°	571.9	18.7
50°-60°	314.3	10.3
60°-70°	140.7	4.6
70°-80°	38.0	1.2
80°-90°	3.9	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°	1237.3	40.5
0°-40°	1984.6	65.0
0°-60°	2870.8	94.0
0°-90°	3053.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3053.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1460	
5°	1485	143
15°	1520	429
25°	1447	666
35°	1209	747
45°	741	572
55°	344	314
65°	137	141
75°	32	38
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1459.8
2.5°	1469.4
5°	1485.3
7.5°	1501.2
10°	1513.9
12.5°	1520.2
15°	1520.2
17.5°	1510.7
20°	1498.0
22.5°	1475.7
25°	1447.1
27.5°	1412.1
30°	1367.6
32.5°	1297.6
35°	1208.6
37.5°	1103.6
40°	989.1
42.5°	868.3
45°	741.0
47.5°	620.2
50°	512.1
52.5°	419.8
55°	343.5
57.5°	279.9
60°	225.8
62.5°	178.1
65°	136.8
67.5°	105.0
70°	76.3
72.5°	50.9
75°	31.8
77.5°	19.1
80°	9.5
82.5°	6.4
85°	3.2
87.5°	0.0
90°	0.0

(END OF REPORT)