

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: P303457

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSBZ 3000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WD8FSBZ 3000Lm4000K
Description: PR6 WIDE LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2869.2 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.26
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

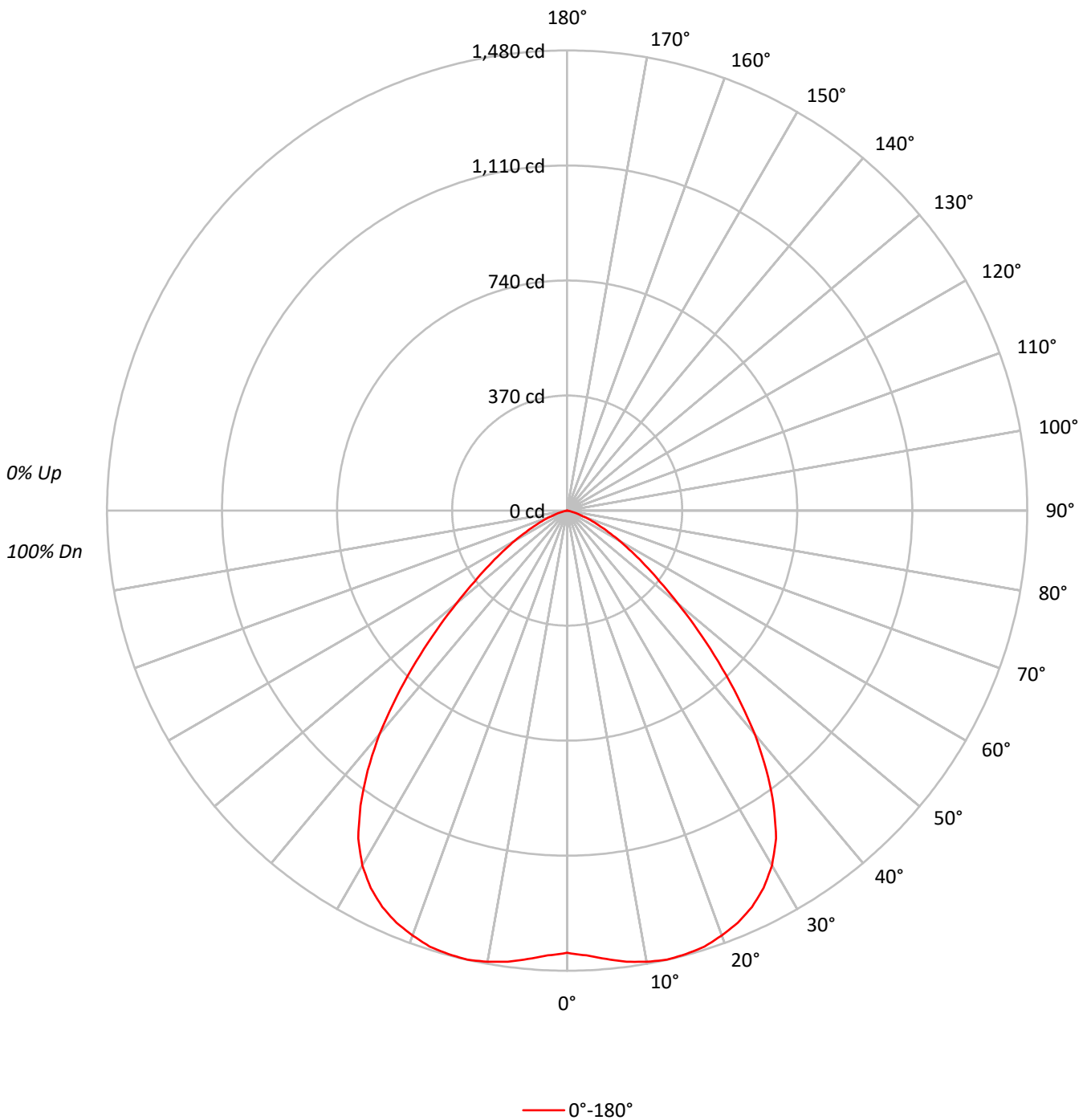
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71
4	90	80	73	68	88	79	72	67	77	71	66	75	70	66	73	68	65	63
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	59	54	76	66	59	53	64	58	53	63	57	53	61	56	52	50
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	56	51	47	46
8	68	56	49	44	67	56	49	44	55	48	43	53	48	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	39	38
10	60	48	41	37	59	48	41	37	47	41	36	46	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92798
5°	94823
10°	97602
15°	99726
20°	100962
25°	101247
30°	99244
35°	92252
40°	79945
45°	63413
50°	47155
55°	34749
60°	25326
65°	17197
70°	10930
75°	4815
80°	1202
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	4.8
10°-20°	417.1	14.5
20°-30°	645.7	22.5
30°-40°	716.2	25.0
40°-50°	531.2	18.5
50°-60°	279.3	9.7
60°-70°	115.6	4.0
70°-80°	24.6	0.9
80°-90°	0.4	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°	1201.9	41.9
0°-40°	1918.0	66.8
0°-60°	2728.6	95.1
0°-90°	2869.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2869.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1422	
5°	1448	139
15°	1476	417
25°	1406	646
35°	1158	716
45°	687	531
55°	306	279
65°	111	116
75°	19	25
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1422.4
2.5°	1432.0
5°	1447.9
7.5°	1463.8
10°	1473.3
12.5°	1479.7
15°	1476.5
17.5°	1470.1
20°	1454.2
22.5°	1435.1
25°	1406.5
27.5°	1368.3
30°	1317.4
32.5°	1250.6
35°	1158.3
37.5°	1053.3
40°	938.7
42.5°	811.4
45°	687.3
47.5°	569.6
50°	464.6
52.5°	375.5
55°	305.5
57.5°	245.0
60°	194.1
62.5°	149.6
65°	111.4
67.5°	82.7
70°	57.3
72.5°	38.2
75°	19.1
77.5°	6.4
80°	3.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)