

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: PORTFOLIO

Report Number: P250990

Luminaire Tested: **LD8B60D010 ER8B60840 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B60840 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6792.0 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

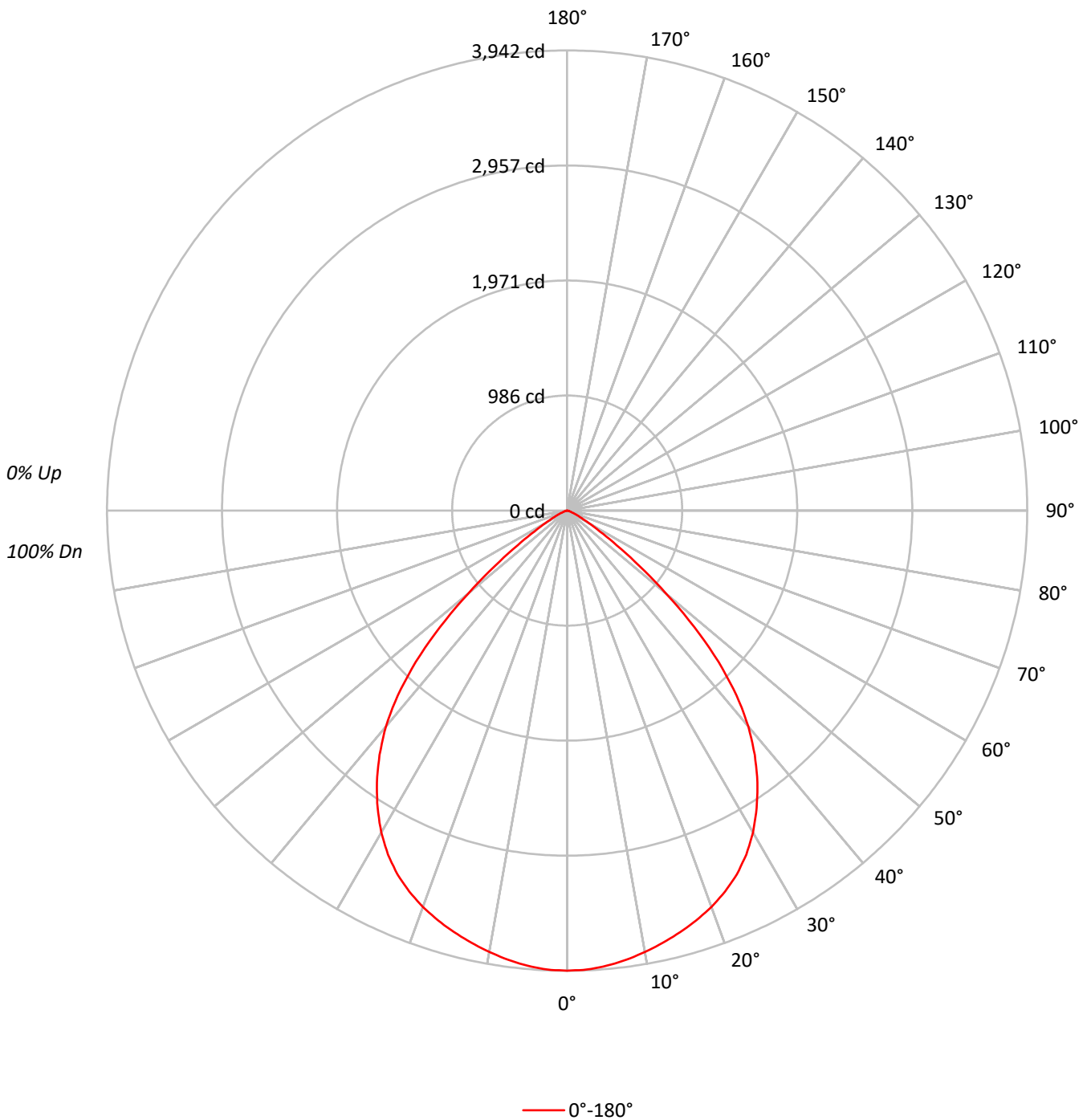
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121544
5°	121139
10°	120219
15°	119374
20°	118565
25°	117006
30°	113390
35°	106985
40°	97229
45°	80005
50°	53327
55°	27779
60°	13093
65°	6866
70°	3435
75°	2383
80°	1776
85°	1415



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.2	5.5
10°-20°	1055.4	15.5
20°-30°	1578.8	23.2
30°-40°	1765.9	26.0
40°-50°	1385.4	20.4
50°-60°	505.5	7.4
60°-70°	103.1	1.5
70°-80°	22.1	0.3
80°-90°	4.6	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°	3005.4	44.2
0°-40°	4771.3	70.2
0°-60°	6662.2	98.1
0°-90°	6792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6792.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3942	
5°	3914	371
15°	3739	1055
25°	3439	1579
35°	2842	1766
45°	1835	1385
55°	517	506
65°	94	103
75°	20	22
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3941.6
2.5°	3935.6
5°	3913.5
7.5°	3881.5
10°	3839.4
12.5°	3791.4
15°	3739.3
17.5°	3681.2
20°	3613.1
22.5°	3533.0
25°	3438.9
27.5°	3322.7
30°	3184.5
32.5°	3022.3
35°	2842.0
37.5°	2639.7
40°	2415.4
42.5°	2149.0
45°	1834.6
47.5°	1480.1
50°	1111.6
52.5°	779.1
55°	516.7
57.5°	330.5
60°	212.3
62.5°	140.2
65°	94.1
67.5°	60.1
70°	38.1
72.5°	26.0
75°	20.0
77.5°	14.0
80°	10.0
82.5°	6.0
85°	4.0
87.5°	2.0
90°	0.0

(END OF REPORT)