

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: P251014

Luminaire Tested: **LSR8B60D010 EC8B60840 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-44)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60840 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6027.0 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

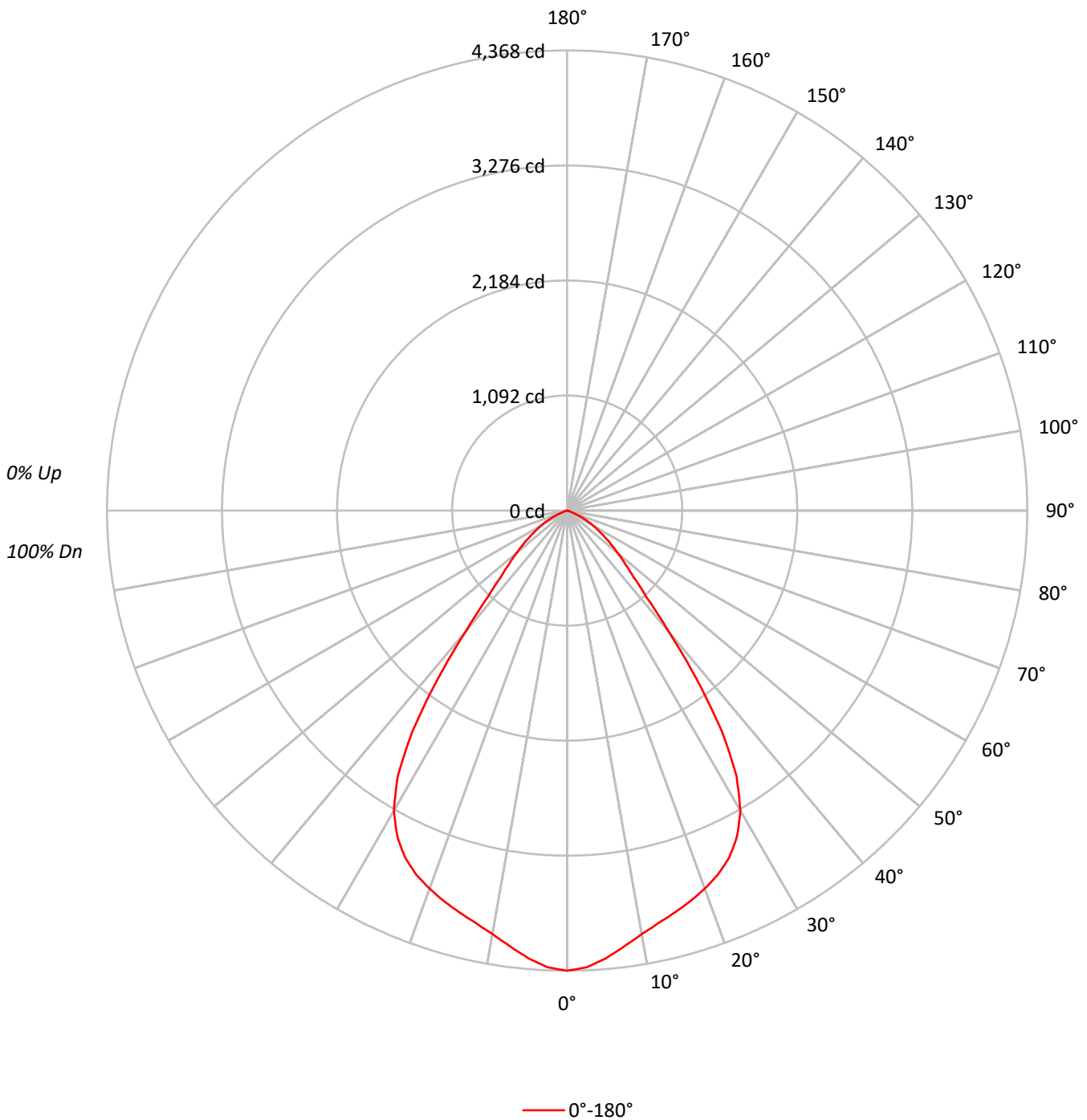
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	134687
5°	131979
10°	127797
15°	126075
20°	125325
25°	123739
30°	117089
35°	96572
40°	60300
45°	38777
50°	30069
55°	23150
60°	17540
65°	11397
70°	4878
75°	2383
80°	1065
85°	708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.0	6.7
10°-20°	1115.7	18.5
20°-30°	1661.9	27.6
30°-40°	1543.4	25.6
40°-50°	729.0	12.1
50°-60°	391.7	6.5
60°-70°	157.2	2.6
70°-80°	24.7	0.4
80°-90°	2.4	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°	3178.6	52.7
0°-40°	4722.0	78.3
0°-60°	5842.6	96.9
0°-90°	6027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6027.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4368	
5°	4264	401
15°	3949	1116
25°	3637	1662
35°	2565	1543
45°	889	729
55°	431	392
65°	156	157
75°	20	25
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4367.8
2.5°	4337.8
5°	4263.7
7.5°	4169.5
10°	4081.4
12.5°	4009.3
15°	3949.2
17.5°	3887.2
20°	3819.1
22.5°	3741.0
25°	3636.8
27.5°	3490.6
30°	3288.4
32.5°	2992.0
35°	2565.4
37.5°	2020.7
40°	1498.0
42.5°	1115.5
45°	889.2
47.5°	743.0
50°	626.8
52.5°	522.7
55°	430.6
57.5°	350.5
60°	284.4
62.5°	222.3
65°	156.2
67.5°	92.1
70°	54.1
72.5°	32.0
75°	20.0
77.5°	12.0
80°	6.0
82.5°	4.0
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)